

Marking 'on the fly' with **CERICOM's** c-mark technology



c-mark laser marker as
'stand-alone' solution

While the laser marking of metals and plastics has entrenched itself in various industries as an excellent facilitator of continual product tracking, the glass industry has nonetheless grappled with unique challenges during processing. The more common solutions out there have often fallen short - plagued by either unsatisfactory quality results or exorbitant acquisition and operational costs. This void was addressed last year when the groundbreaking 'c-mark' marking module emerged - finding application in areas that demand top-notch marking quality, particularly in the safety glass, automotive, medical, jewelry and perfume industries. Compatible with both sluggish and high-speed production lines, the inclusion today of optional 'on the fly' marking technology has now slashed processing times significantly.

NEW INTERFACE

Pioneering a new interface, the manufacturer recently

Ever the technological innovator, CERICOM has transformed glass component tracking within production cycles with the advent of its laser marker. The device transcends conventional methodologies - imprinting directly upon glass without requiring supplementary materials. The company's advanced 'on the fly' marking further distinguishes the process - rendering it exceptionally swift.



c-mark module in combination with the c-vertica vertical glass processing machine

introduced an MQTT interface, which integrates seamlessly with external systems such as ERP, as well as automated production environments. Propelling the c-mark beyond mere tracking, this makes provision for glass component documentation that spans entire life cycles. Augmenting that innovation, a corresponding reading unit will effortlessly capture laser-marked QR codes and barcodes, thereby laying the groundwork for a future cloud-based database solution. A leap into the realm of Industry 4.0 and IoT integration, all this adds unparalleled value for customers.

CERICOM C-MARK ADVANTAGES

The Cericom c-mark system boasts a myriad of advantages, positioning itself as a revolutionary solution for permanent marking upon diverse glass types,

with a special emphasis on safety glass. Within seconds its high-speed functionality transfers letters, numbers, logos and machine-readable codes onto glass surfaces. Notably, this environmentally-friendly, cost-effective marvel circumvents the need for consumables - marking a departure from traditional practices. The c-mark system integrates seamlessly into existing machinery and equipment, offering a 'stand-alone' solution for those seeking independent deployment.

C-MARK SYSTEM COMPONENTS AND PRODUCTION INTEGRATION INDICATIONS

Comprising a marking module and laser, 2D galvo scanners and a focusing lens -optionally equipped with variable focal lengths- c-mark's adaptability is further enhanced by a special adapter plate that facilitates easy integration into

ABOUT CERICOM

Since 2002, Cericom (known formerly as Cerion) has been developing, manufacturing and distributing laser machines for glass processing worldwide. The company has expanded its product portfolio over the years to offer a wide range of solutions for the laser processing of glass. Whether it's marking, drilling, cutting, frosting, internal engraving, coating removal, or structuring, Cericom has suitable solutions for all these applications. No matter the size, whether it's DIN A4 or 3 x 6 metres, or the orientation, horizontal or vertical, or indeed whether it's a standalone solution or part of a production line, Cericom provides its customers with tailored technology that is well-suited to their specific application.

existing equipment. The rotatable laser scan head adds a layer of versatility - allowing variable laser beam output for overhead processing, as required. Completing the ensemble, a control cabinet and application-specific software will offer a comprehensive user experience. Robust cable connections, designed for drag chains, secure the laser marking module - ensuring both durability and secure data transfer. In sum, the Cericom c-mark system emerges not only as a technological marvel

but also as a beacon of innovation in the seamless integration of glass marking into diverse production environments.




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Markings created with laser marker